

IN THE CLAIMS:

1-5. (Cancelled)

C/ 6. (Previously Amended) A microwave oven, comprising:

a plurality of electronic components disposed above a top and to a first side of a cooking chamber of the microwave oven;

an air inlet in a first side of the microwave oven;

a first fan and a second fan disposed above the top of the cooking chamber, wherein the first fan moves air along a first air flow path and the second fan moves air along a second air flow path, wherein the first air flow path is configured to cool the electronic components and the second air flow path proximate to the plurality of electronic components; and

an exhaust hood air flow path is configured to exhaust fumes from a cooking range disposed below the microwave oven, wherein the first air flow path and the second air flow path are separate; and

a motor configured to drive both the first fan and the second fan.

7. (Previously Added) The microwave oven of claim 6, wherein the electronic components are disposed in an electronic component chamber, and wherein the air inlet forms a side of the electronic component chamber.

8 (Currently Amended) The microwave oven of claim 7, further comprising a magnetron disposed proximate to the first cooling fan.

9 (Previously Added) The microwave of claim 7, further comprising a magnetron disposed adjacent a separate duct.

10-11. (Cancelled)

C/ 12. (Currently Amended) A microwave oven, comprising:

a ventilation motor disposed above a cooking chamber;

an exhaust air flow path configured to vent fumes from a cooking range disposed below the microwave oven;

an exhaust fan configured to be driven by the ventilation motor and to move air along the exhaust air flow path;

a cooling air flow path configured to cool a plurality of electronic components disposed in an electronic component chamber above a plane defined by a top of the cooking chamber ~~within the microwave oven~~; and

a cooling fan configured to be driven by the ventilation motor and to move air along the cooling air flow path wherein the cooling air flow path is separate from the exhaust air flow path.

13. (Cancelled)

14. (Previously Amended) The microwave oven of claim 12, wherein an air inlet for the cooling airflow path forms a side of the electronic component chamber.

15. (Previously Added) The microwave oven of claim 14, further comprising a magnetron disposed proximate to the cooling fan.

16. (Cancelled)

17. (Previously Added) The microwave oven of claim 12, wherein the plurality of electronic components is disposed above a top and to a first side of a cooking chamber of the microwave oven.

18. (Previously Added) The microwave oven of claim 12, further comprising a magnetron disposed proximate to the cooling fan.

19. (Previously Added) The microwave of claim 12, further comprising a magnetron, wherein the magnetron is disposed in a separate duct.

20. (Currently Added) A microwave oven, comprising:

- a cooking chamber;
- an electronics chamber comprising an inlet port in a first wall and an outlet port in a second wall,
- a cooling airflow path between the inlet port and the outlet port defining a substantially straight line therebetween;
- electronics disposed in the electronics chamber in the cooling airflow path; and
- an exhaust air flow path configured to vent fumes from a cooking range disposed below the microwave oven, wherein the cooling airflow path is separate from the exhaust air flow path.

21. (Currently Added) The microwave oven of claim 20, wherein the electronics comprise a magnetron, wherein the magnetron is disposed in the cooling air flow path proximate the outlet port.

22. (Currently Added) The microwave oven of claim 21, further comprising:

- a ventilation motor disposed above the cooking chamber;
- an exhaust fan configured to be driven by the ventilation motor and to move air along the exhaust air flow path; and

a cooling fan configured to be driven by the ventilation motor and to move air along the cooling air flow path.

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23. (Currently Added) The microwave oven of claim 22, wherein the electronics chamber is disposed above a first plane defined by a top of the cooking chamber and to a side of the cooking chamber.

24 (Currently Added) The microwave oven of the claim 23, wherein the inlet port forms all of the first wall of the electronics chamber.

25. (Currently Added) The microwave oven of claim 24, wherein the cooling fan comprises a cooling fan inlet, wherein the cooling fan inlet forms the outlet port in the second wall of the electronics chamber.